

Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1. (Currently amended) An image sensor comprising:
a plurality of pixels formed in a semiconductor substrate, each pixel including a light sensitive element, said pixels grouped as a center portion of pixels and an outer portion of pixels;

a first set of micro-lenses formed over each of said pixels in said center portion of pixels;
and

a second set of micro-lenses formed over each of said pixels in said outer portion of said pixels,

wherein said second set of micro-lenses is purposefully manufactured to be purposefully larger and/or taller than said first set of micro-lenses.

2. (Original) The image sensor of Claim 1 further including a color filter formed over each pixel, said color filter formed between said micro-lens and said light sensitive element.

3. (Original) The image sensor of Claim 1 further including a color filter formed over each pixel, said color filter formed over said micro-lens.

4. (Cancelled)

5. (Cancelled)

6. (Original) The image sensor of Claim 1 wherein said micro-lenses are formed from either polymethylmethacrylate (PMMA) or polyglycidylmethacrylate (PGMA).

7. (Original) The image sensor of Claim 1 further including an imaging lens coupled to said image sensor.

8. (Currently amended) A method for forming an image sensor comprising:
forming a plurality of pixels in a semiconductor substrate, each pixel including a light
sensitive element, said pixels grouped as a center portion of pixels and an outer
portion of pixels;
forming a first set of micro-lenses over each of said pixels in said center portion of pixels;
and
forming a second set of micro-lenses over each of said pixels in said outer portion of said
pixels,
wherein said second set of micro-lenses is ~~purposefully~~ manufactured to be purposefully
larger and/or taller than said first set of micro-lenses.

9. (Original) The method of Claim 8 further including forming a color filter over
each pixel, said color filter formed between said micro-lens and said light sensitive element.

10. (Original) The method of Claim 8 further including forming a color filter over
each pixel, said color filter formed over said micro-lens.

11. (Cancelled)

12. (Cancelled)

13. (Original) The method of Claim 8 wherein said micro-lenses are formed from
either polymethylmethacrylate (PMMA) or polyglycidylmethacrylate (PGMA).

14. (Original) The method of Claim 8 further including coupling an imaging lens to
said image sensor.

15. – 20. (Cancelled)